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**APR 14 2006**

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**DATE:** April 14, 2006

**TOTAL PAGES, INCLUDING COVER:** 14

**To:**

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<b>MAIL STOP AMENDMENT</b> Commissioner for Patents U. S. Patent & Trademark Office	<b>(571) 273-8300</b>	

**FROM:** Richard E. Campbell, Esq.  
 Reg. No. 34,790

**RE:** U. S. Patent Application No. 09/991,532  
**Title:** FRAMING FOR AN ADAPTIVE MODULATION COMMUNICATION  
**Filed:** November 15, 2001  
**Inventors:** Kenneth L. Stanwood et al.  
**Our Ref. No.** 112174-014.UTL (Previously ENSEMB.031.A)

Dear Sir/Madam:

Transmitted herewith for processing are the following documents:

- 1) Transmittal Letter (1 page); and
- 2) Response to Office Action (12 pages).

112174.000014/599455.01

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PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031

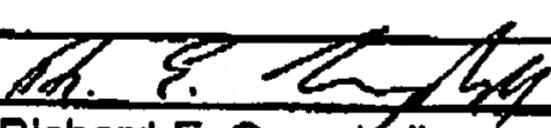
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<b>TRANSMITTAL FORM</b> <i>(To be used for all correspondence after initial filing)</i>		Application Number	09/991,532
		Filing Date	November 15, 2001
		First Named Inventor	Kenneth L. Stanwood
		Art Unit	2667
		Examiner Name	Christopher P. Grey
Total Number of Pages in This Submission	13	Attorney Docket Number	112174-014.UTL

**ENCLOSURES (Check all that apply)**

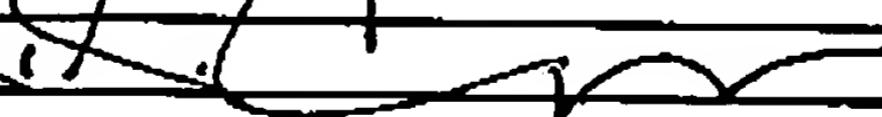
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Copies of Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Procopio, Cory, Hargreaves & Savitch LLP		
Signature			
Printed name	Richard E. Campbell		
Date	4/14/06	Reg. No.	34,790

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to 571/273-8300 to the USPTO or deposited with the United States Postal Service with sufficient postage as firstclass mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Silvia Corona		
	Date	4-14-06	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT  
Docket No. 112174-014.UTL  
(formerly ENSEMB.031.A)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Inventors:** Kenneth L. Stanwood et al.

**Serial No.:** 09/991,532

**Filed:** November 15, 2001

**For:** FRAMING FOR AN ADAPTIVE  
MODULATION COMMUNICATION

**Group Art Unit:** 2667

**Examiner:** Christopher P. Grey

**RESPONSE TO OFFICE ACTION**

MAIL STOP AMENDMENT  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Commissioner:

In response to the Office Action dated February 8, 2006, Applicant submits the following remarks contained herein.

A complete listing of the pending claims begin on page 2.

Remarks begin on page 11 of this paper.

112174.000000/599310.01